

In re Application of LEHEW et al.
Serial No. 09/347,753

Listing of the Claims:

1. (currently amended) A computer-readable medium having computer-executable instructions, comprising:

at a browser hosted by a client application program, receiving a request from the client application program to access a web page that may not be rendered for display to a user, the request providing information including a network location of that the web page, the network location comprising a location only accessible by the browser hosted by the client application;

accessing the web page at a server in response to the request from the client application program;

receiving information from the web page;

writing the information to a client storage;

providing the server with data corresponding to the information received from the web page written into the client storage, the data indicating to the server that the browser is being hosted by the client application;

receiving state information directed to the client application from the server based on the data having been provided to the server; and

redirecting the browser to another web page that may be rendered for display to a user.

2. (previously presented) The computer-readable medium of claim 1 having further computer-executable instructions comprising invoking the browser from the client application.

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3. (previously presented) The computer-readable medium having computer-executable instructions of claim 1 wherein accessing the web page includes passing data to the web page.

4. (previously presented) The computer-readable medium having computer-executable instructions of claim 3 wherein the data passed to the web page includes time information indicative of a synchronization time with the server state information.

5. (previously presented) The computer-readable medium having computer-executable instructions of claim 3 wherein receiving information from the web page includes receiving at least some of the data passed thereto.

6. (original) The computer-readable medium having computer-executable instructions of claim 1 wherein receiving state information from the server includes receiving data maintained at the server for synchronizing with data of the client application program.

7. (previously presented) The computer-readable medium having computer-executable instructions of claim 6 wherein the data maintained at the server includes financial data.

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8. (previously presented) The computer-readable medium of claim 6 having further computer-executable instructions comprising synchronizing the state information with data of the client application program.

9. (previously presented) The computer-readable medium of claim 1 having further computer-executable instructions comprising linking the state information to data of the client application program.

10. (original) The computer-readable medium having computer-executable instructions of claim 1 wherein receiving state information from the server includes receiving in a page of data an image tag identifying a source of the state information.

11. (original) The computer-readable medium having computer-executable instructions of claim 1 wherein receiving state information from the server includes receiving in a page of data an image tag identifying a registered media type.

12. (original) The computer-readable medium having computer-executable instructions of claim 1 wherein receiving state information from the server includes receiving a cookie written into a client-side storage.

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13. (original) The computer-readable medium having computer-executable instructions of claim 1 wherein providing a server with data includes providing the server with a timestamp of a synchronization time of server state information.

14. (original) The computer-readable medium having computer-executable instructions of claim 1 wherein providing a server with data includes providing the server with a client identifier.

15. (previously presented) The computer-readable medium of claim 1 having further computer-executable instructions comprising providing authentication information to the server.

16. (currently amended) A computer-readable medium having computer-executable instructions, comprising:

providing a first web page ~~that may not be rendered for display to a user, the~~
web page having a network location of the first web page known to generally
inaccessible by a browser except for a client browser being hosted by ~~when~~
~~instances of a corresponding client application program that hosts a client browser;~~
receiving a request from the client browser to access the first web page;
communicating information from the first web page to the client browser, the
information indicating that the first web page was accessed;

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redirecting the client browser to another web page that may be rendered for display to a user;

at a server corresponding to the other web page, detecting the information indicating that the first web page was accessed; and

communicating data from the server to the client application program.

17. (previously presented) The computer-readable medium having computer-executable instructions of claim 16 wherein detecting the information includes requesting awareness information at a server from the client browser, the awareness information corresponding to the information communicated thereto from the first web page.

18. (previously presented) The computer-readable medium having computer-executable instructions of claim 17 wherein detecting the information includes determining whether the awareness information is received, and if so, wherein operating to communicate the data includes providing state information directed to the client application program through the browser.

19. (canceled)

20. (previously presented) The computer-readable medium of claim 16 having further computer-executable instructions comprising receiving authentication information from the client at the other web page.

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21. (previously presented) The computer-readable medium of claim 16 having further computer-executable instructions comprising providing a personalized web page to the client.

22. (previously presented) The computer-readable medium of claim 16 having further computer-executable instructions comprising receiving data from the client corresponding to information communicated from the first web page to the client.

23. (original) The computer-readable medium having computer-executable instructions of claim 22 wherein the data received from the client includes a timestamp for synchronizing server state data therewith.

24. (previously presented) The computer-readable medium of claim 23 having further computer-executable instructions comprising communicating state data to the client based on the timestamp.

25. (currently amended) A system for enhanced communication between a server and a client, comprising,

a client including an application program and a browser hosted by the application program;

a server connected to the client via a transmission medium;

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a first web page having a network location and operable that may not be rendered for display to a user, the first web page accessible by the browser for the client application to provide awareness data for writing to a storage of the client, the network location comprising a location only accessible by the browser that is hosted by the client application;

another web page, the browser redirected thereto and providing the server with the awareness data provided by the first web page; and

the server detecting the data to recognize that the browser is being hosted by the application program and providing enhanced functionality to the application program based on the receipt of the awareness data.

26. (original) The system of claim 25 wherein the client provides information to the server indicative of the state of client data.

27. (previously presented) The system of claim 26 wherein the server provides enhanced functionality by outputting information to the client to synchronize the client data.

28. (previously presented) The computer-readable medium having computer-executable instructions of claim 18 wherein providing the state information includes attaching the state information to a personalized web page generated at the server for the client.

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29. (previously presented) The computer-readable medium having computer-executable instructions of claim 16 wherein redirecting the client to another web page includes redirecting the client to a logon page.